

Constructing Grouped Frequency Tables

Complete each grouped frequency table from its raw data.

(a)

Raw data of number of t-shirts:

9	7	3	11	4
4	8	1	5	7
10	9	8	2	12
8	1	10	7	6

Number of t-shirts	Frequency
1 to 3	4
4 to 6	4
7 to 9	8
10 to 12	4

(b)

Raw data of test scores:

23	38	32	35	11
26	33	40	25	28
17	8	19	23	34
35	20	26	38	32

Test Score	Frequency
1 to 10	1
11 to 20	4
21 to 30	6
31 to 40	9

(c)

Raw data of number of messages:

10	12	16	6	5
6	18	14	8	20
8	9	2	15	7
11	12	9	19	8

Number of Messages	Frequency
1 to 5	2
6 to 10	9
11 to 15	5
16 to 20	4

(d)

Raw data of height in cm:

146	170	168	152	133	139
179	165	162	160	148	175
155	163	158	166	148	160

Height (cm)	Frequency
$130 \leq h < 140$	2
$140 \leq h < 150$	3
$150 \leq h < 160$	3
$160 \leq h < 170$	7
$170 \leq h < 180$	3

(e)

Raw data of distance to school in miles:

1.8	3.7	0.6	4.5	7.5	2.9
5.4	5.7	8.3	3	1.1	6.6
5.2	2.1	6	3.6	9.7	3.9

Distance (miles)	Frequency
$0 \leq d < 2$	3
$2 \leq d < 4$	6
$4 \leq d < 6$	4
$6 \leq d < 8$	3
$8 \leq d < 10$	2

(f)

Raw data of time in minutes for 5k race:

32	29	25	39	42	21
44	35	27	29	33	31
37	28	33	40	34	29

Time (minutes)	Frequency
$20 \leq t < 25$	1
$25 \leq t < 30$	6
$30 \leq t < 35$	6
$35 \leq t < 40$	3
$40 \leq t < 45$	2